

THAT WHICH IS CLAIMED IS:

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1. A method of generating an electronic mail message, comprising:  
automatically generating an electronic mail message responsive to an action  
being performed on a database entry.

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2. The method of Claim 1, wherein the step of generating an electronic  
mail message comprises:

detecting performance of the action performed on the entry in the database;  
triggering a user defined function (UDF) of the database which provides  
access to an electronic mail system in response to the detection of performance of  
the action on the entry; and

accessing the electronic mail system utilizing the UDF to request  
generation of the electronic mail message responsive to the UDF being triggered.

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3. The method of Claim 2, wherein the steps of detecting performance  
of the action and triggering a user defined function comprise establishing a  
database trigger associated with entries in the database which database trigger  
activates the UDF upon an action being performed on at least one of the entries  
associated with the database trigger.

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4. The method of Claim 3, wherein the UDF carries out the steps of:  
obtaining electronic mail information associated with the entry in the  
database; and

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providing the obtained electronic mail information to an application  
program interface for the electronic mail system.

5. The method of Claim 4, wherein the application program interface  
provides abstract layering for the electronic mail system.

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6. The method of Claim 4, wherein the application program interface  
comprises the JavaMail Application Program Interface.

7. The method of Claim 2, wherein the action performed comprises an insertion of the entry into the database.

8. The method of Claim 3, wherein the database comprises a DB2  
5 database.

9. The method of Claim 2, wherein the UDF comprises a first class which obtains the electronic mail information and a second class which provides the electronic mail message information to the electronic mail system.

10. The method of Claim 2, wherein the electronic mail system executes on a second data processing system remote from a first data processing system on which the database executes.

15 11. A system for generating an electronic mail message, comprising:  
a database having database entries;  
a user defined function configured to wrap access to an electronic mail  
system so as to generate an electronic mail message upon invocation of the user  
defined function; and  
20 a database trigger associated with at least one of the database entries and  
configured to invoke the user defined function upon performance of an action on  
the at least one of the database entries.

12. The system of Claim 11, wherein the user defined function  
25 comprises a first class which obtains electronic mail information associated with  
the database entry and a second class which provides the electronic mail message  
information to the electronic mail system.

13. The system of Claim 12, wherein the user defined function is  
30 configured to wrap access to the electronic mail system utilizing an application  
program interface which provides abstract layering for the electronic mail system.

14. The system of Claim of Claim 13, wherein the application program interface comprises a JavaMail application program interface.

15. A system for generating an electronic mail message, comprising:  
5 means for detecting performance of an action performed on an entry in a database;

means for triggering a user defined function (UDF) of the database which provides access to an electronic mail system in response to the detection of performance of the action on the entry; and

10 means for accessing the electronic mail system utilizing the UDF to initiate generation of the electronic mail message responsive to the UDF being triggered.

16. A computer program product for generating an electronic mail message, comprising:

15 a computer readable media having computer readable program code embodied therein, the computer readable program code comprising:

computer readable program code that detects performance of an action performed on an entry in a database;

20 computer readable program code which triggers a user defined function (UDF) of the database which provides access to an electronic mail system in response to the detection of performance of the action on the entry; and

computer readable program code which accesses the electronic mail system utilizing the UDF to initiate generation of the electronic mail message responsive to the UDF being triggered.

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